

E² cont'd
sequence ψ of adenovirus Ad5 (positions 300-456). The cloning sequence for the restriction endonuclease BamHI is located at position 158-163 and for KpnI at positions 189-194. At position 189-2405 is located the 2216 base pair-long promoter of the MLC-2v gene. The CSS-like sequence is located at position 682-724, the HF element at position 2207-2219, the MLE1 element at position 2229-2241, the HF2 element at position 2271-2289, the E box element at position 2328-2333, the HF 1a element at position 2340-2348, the HF 1b element at position 2349-2361 and the transcription start (+1) at position 2406. The luciferase encoding sequence starts at position 2461. At position 1660-2406 lies the 746 base pair-long regulatory sequence of the plasmid pAd-mlcLuc (see Example 1).

In the Claims:

Please amend the claims as follows:

*F1
E2*
63. (Amended) The recombinant virus vector according to claim 62, wherein said replication deficient adenovirus vector consists of two inverted terminal repetition sequences.

E3
69. (Amended) A method for delivery of a desired gene to cardiac muscle cells of a subject, which method comprises administering a recombinant virus vector according to claim 52,